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RAW SEQUENCE LISTING

DATE: 06/26/2002

PATENT APPLICATION: US/10/074,152

TIME: 09:56:47

Input Set : A:\seqlist.txt

Output Set: N:\CRF3\06262002\J074152.raw

ENTERED

3 <110> APPLICANT: Barker, Christopher A.
4 Morsey, Mohamad
6 <120> TITLE OF INVENTION: IMMUNOLOGICAL METHODS TO MODULATE MYOSTATIN IN
7 VERTEBRATE SUBJECTS
9 <130> FILE REFERENCE: 9001-0042.01
11 <140> CURRENT APPLICATION NUMBER: 10/074,152
C--> 12 <141> CURRENT FILING DATE: 2002-06-14
14 <150> PRIOR APPLICATION NUMBER: 09/252,149
15 <151> PRIOR FILING DATE: 1999-02-18
17 <160> NUMBER OF SEQ ID NOS: 39
19 <170> SOFTWARE: PatentIn Ver. 2.0
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 1128
23 <212> TYPE: DNA
24 <213> ORGANISM: bos taurus
26 <400> SEQUENCE: 1
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29 gtggatctga atgagaacag cgagcagaag gaaaatgtgg aaaaagaggg gctgtgtaat 120
31 gcatgtttgt ggagggaaaa cactacatcc tcaagactag aagccataaa aatccaaatc 180
33 ctcaagtaaac ttgcgcctgga aacagctcct aacatcagca aagatgctat cagacaactt 240
35 ttgcccaagg ctccctccact cctggaactg attgatcagt tcgatgtcca gagagatgcc 300
37 agcagtgcag gctccttgga agacgatgac taccacgcca ggacggaaac ggtcattacc 360
39 atgcccacgg agtctgatct tctaacgcaa gtggaaggaa aacccaaatg ttgcttcttt 420
41 aaatttagct ctaagataca atacaataaa ctagtaaagg cccaactgtg gatataatctg 480
43 aggcctgtca agactcctgc gacagtgttt gtgcaaatcc tgagactcat caaacccatg 540
45 aaagacggta caaggtatac tggaaatccga tctctgaaac ttgacatgaa cccaggcaat 600
47 ggtattttggc agagcattga tgtgaagaca gtgttgca ga actggctcaa acaacctgaa 660
49 tccaacttag gcattgaaat caaagcttta gatgagaatg gccatgatct tgctgtaacc 720
51 ttcccagaac caggagaaga tggactgact ccttttttag aagtcaagg aacagacaca 780
53 caaaaaagat ctaggagaga ttttgggctt gattgtgatg aacactccac agaattctga 840
55 tgctgtcgtc accccctcac ggtggatttt gaagcttttg gatgggattg gattattgca 900
57 cctaaaagat ataaggccaa ttactgctct ggagaatgtg aatttgtatt tttgcaaaag 960
59 tatcctcata cccatcttgt gcaccaagca aaccccagag gttcagccgg cccctgctgt 1020
61 actcctacaa agatgtctcc aattaatatg ctatatatta atggcgaagg acaaataata 1080
63 tacgggaaga ttccagccat ggtagtagat cgctgtgggt gctcatga 1128
66 <210> SEQ ID NO: 2
67 <211> LENGTH: 375
68 <212> TYPE: PRT
69 <213> ORGANISM: bos taurus
71 <400> SEQUENCE: 2
72 Met Gln Lys Leu Gln Ile Ser Val Tyr Ile Tyr Leu Phe Thr Leu Ile
73 1 5 10 15
75 Val Ala Gly Pro Val Asp Leu Asn Glu Asn Ser Glu Gln Lys Glu Asn

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76          20          25          30
78 Val Glu Lys Glu Gly Leu Cys Asn Ala Cys Leu Trp Arg Glu Asn Thr
79          35          40          45
81 Thr Ser Ser Arg Leu Glu Ala Ile Lys Ile Gln Ile Leu Ser Lys Leu
82          50          55          60
84 Arg Leu Glu Thr Ala Pro Asn Ile Ser Lys Asp Ala Ile Arg Gln Leu
85 65          70          75          80
87 Leu Pro Lys Ala Pro Pro Leu Leu Glu Leu Ile Asp Gln Phe Asp Val
88          85          90          95
90 Gln Arg Asp Ala Ser Ser Asp Gly Ser Leu Glu Asp Asp Asp Tyr His
91          100          105          110
93 Ala Arg Thr Glu Thr Val Ile Thr Met Pro Thr Glu Ser Asp Leu Leu
94          115          120          125
96 Thr Gln Val Glu Gly Lys Pro Lys Cys Cys Phe Phe Lys Phe Ser Ser
97          130          135          140
99 Lys Ile Gln Tyr Asn Lys Leu Val Lys Ala Gln Leu Trp Ile Tyr Leu
100 145          150          155          160
102 Arg Pro Val Lys Thr Pro Ala Thr Val Phe Val Gln Ile Leu Arg Leu
103          165          170          175
105 Ile Lys Pro Met Lys Asp Gly Thr Arg Tyr Thr Gly Ile Arg Ser Leu
106          180          185          190
108 Lys Leu Asp Met Asn Pro Gly Thr Gly Ile Trp Gln Ser Ile Asp Val
109          195          200          205
111 Lys Thr Val Leu Gln Asn Trp Leu Lys Gln Pro Glu Ser Asn Leu Gly
112          210          215          220
114 Ile Glu Ile Lys Ala Leu Asp Glu Asn Gly His Asp Leu Ala Val Thr
115 225          230          235          240
117 Phe Pro Glu Pro Gly Glu Asp Gly Leu Thr Pro Phe Leu Glu Val Lys
118          245          250          255
120 Val Thr Asp Thr Pro Lys Arg Ser Arg Arg Asp Phe Gly Leu Asp Cys
121          260          265          270
123 Asp Glu His Ser Thr Glu Ser Arg Cys Cys Arg Tyr Pro Leu Thr Val
124          275          280          285
126 Asp Phe Glu Ala Phe Gly Trp Asp Trp Ile Ile Ala Pro Lys Arg Tyr
127          290          295          300
129 Lys Ala Asn Tyr Cys Ser Gly Glu Cys Glu Phe Val Phe Leu Gln Lys
130 305          310          315          320
132 Tyr Pro His Thr His Leu Val His Gln Ala Asn Pro Arg Gly Ser Ala
133          325          330          335
135 Gly Pro Cys Cys Thr Pro Thr Lys Met Ser Pro Ile Asn Met Leu Tyr
136          340          345          350
138 Phe Asn Gly Glu Gly Gln Ile Ile Tyr Gly Lys Ile Pro Ala Met Val
139          355          360          365
141 Val Asp Arg Cys Gly Cys Ser
142          370          375
145 <210> SEQ ID NO: 3
146 <211> LENGTH: 60
147 <212> TYPE: DNA
148 <213> ORGANISM: Artificial Sequence

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150 <220> FEATURE:
151 <221> NAME/KEY: CDS
152 <222> LOCATION: (1)..(60)
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Description of Artificial Sequence: MYOS 1 peptide coding
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156         Figure 2
158 <400> SEQUENCE: 3
159 gga tcc cgt tct cgt cgc gac ttt ggt ctg gac tgc gac gaa cat tct      48
160 Gly Ser Arg Ser Arg Arg Asp Phe Gly Leu Asp Cys Asp Glu His Ser
161   1             5             10             15
163 acc gaa aga tct                                                    60
164 Thr Glu Arg Ser
165         20
168 <210> SEQ ID NO: 4
169 <211> LENGTH: 20
170 <212> TYPE: PRT
171 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Description of Artificial Sequence: MYOS 1 peptide coding
sequence,
176         Figure 2
178 <400> SEQUENCE: 4
179 Gly Ser Arg Ser Arg Arg Asp Phe Gly Leu Asp Cys Asp Glu His Ser
180   1             5             10             15
182 Thr Glu Arg Ser
183         20
186 <210> SEQ ID NO: 5
187 <211> LENGTH: 51
188 <212> TYPE: DNA
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: Description of Artificial Sequence: MYOS 3 peptide coding
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193         Figure 3
195 <220> FEATURE:
196 <221> NAME/KEY: CDS
197 <222> LOCATION: (1)..(51)
199 <400> SEQUENCE: 5
200 gga tcc tct cgt tgc tgt cgc tat ccg ctg acc gtt gac ttc gaa aga      48
201 Gly Ser Ser Arg Cys Cys Arg Tyr Pro Leu Thr Val Asp Phe Glu Arg
202   1             5             10             15
204 tct                                                                51
205 Ser
208 <210> SEQ ID NO: 6
209 <211> LENGTH: 17
210 <212> TYPE: PRT
211 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: Description of Artificial Sequence: MYOS 3 peptide coding
sequence,
215         Figure 3
217 <400> SEQUENCE: 6

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218 Gly Ser Ser Arg Cys Cys Arg Tyr Pro Leu Thr Val Asp Phe Glu Arg
219   1           5           10           15
221 Ser
225 <210> SEQ ID NO: 7
226 <211> LENGTH: 57
227 <212> TYPE: DNA
228 <213> ORGANISM: Artificial Sequence
230 <220> FEATURE:
231 <223> OTHER INFORMATION: Description of Artificial Sequence: MYOS 5 peptide coding
sequence,
232     Figure 4
234 <220> FEATURE:
235 <221> NAME/KEY: CDS
236 <222> LOCATION: (1)..(57)
238 <400> SEQUENCE: 7
239 gga tcc ttc gaa gct ttt ggt tgg gac tgg atc att gca ccg aaa cgt   48
240 Gly Ser Phe Glu Ala Phe Gly Trp Asp Trp Ile Ile Ala Pro Lys Arg
241   1           5           10           15
243 tat aga tct   57
244 Tyr Arg Ser
247 <210> SEQ ID NO: 8
248 <211> LENGTH: 19
249 <212> TYPE: PRT
250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Description of Artificial Sequence: MYOS 5 peptide coding
sequence,
254     Figure 4
256 <400> SEQUENCE: 8
257 Gly Ser Phe Glu Ala Phe Gly Trp Asp Trp Ile Ile Ala Pro Lys Arg
258   1           5           10           15
260 Tyr Arg Ser
264 <210> SEQ ID NO: 9
265 <211> LENGTH: 54
266 <212> TYPE: DNA
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: Description of Artificial Sequence: MYOS 7 peptide coding
sequence,
271     Figure 5
273 <220> FEATURE:
274 <221> NAME/KEY: CDS
275 <222> LOCATION: (1)..(54)
277 <400> SEQUENCE: 9
278 gga tcc aaa cgt tat aaa gct aac tat tgc tct ggt gaa tgc gaa ttc   48
279 Gly Ser Lys Arg Tyr Lys Ala Asn Tyr Cys Ser Gly Glu Cys Glu Phe
280   1           5           10           15
282 aga tct   54
283 Arg Ser
286 <210> SEQ ID NO: 10
287 <211> LENGTH: 18
288 <212> TYPE: PRT

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291 <220> FEATURE:
292 <223> OTHER INFORMATION: Description of Artificial Sequence: MYOS 7 peptide coding
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293     Figure 5
295 <400> SEQUENCE: 10
296 Gly Ser Lys Arg Tyr Lys Ala Asn Tyr Cys Ser Gly Glu Cys Glu Phe
297   1             5             10             15
299 Arg Ser
303 <210> SEQ ID NO: 11
304 <211> LENGTH: 72
305 <212> TYPE: DNA
306 <213> ORGANISM: Artificial Sequence
308 <220> FEATURE:
309 <223> OTHER INFORMATION: Description of Artificial Sequence: MYOS 9 peptide coding
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310     Figure 6
312 <220> FEATURE:
313 <221> NAME/KEY: CDS
314 <222> LOCATION: (1)..(72)
316 <400> SEQUENCE: 11
317 gga tcc gaa ttc gtt ttc ctg cag aaa tat ccg cat acc cat ctg gtt   48
318 Gly Ser Glu Phe Val Phe Leu Gln Lys Tyr Pro His Thr His Leu Val
319   1             5             10             15
321 cat cag gct aac ccg cgt aga tct   72
322 His Gln Ala Asn Pro Arg Arg Ser
323     20
326 <210> SEQ ID NO: 12
327 <211> LENGTH: 24
328 <212> TYPE: PRT
329 <213> ORGANISM: Artificial Sequence
331 <220> FEATURE:
332 <223> OTHER INFORMATION: Description of Artificial Sequence: MYOS 9 peptide coding
sequence,
333     Figure 6
335 <400> SEQUENCE: 12
336 Gly Ser Glu Phe Val Phe Leu Gln Lys Tyr Pro His Thr His Leu Val
337   1             5             10             15
339 His Gln Ala Asn Pro Arg Arg Ser
340     20
343 <210> SEQ ID NO: 13
344 <211> LENGTH: 81
345 <212> TYPE: DNA
346 <213> ORGANISM: Artificial Sequence
348 <220> FEATURE:
349 <223> OTHER INFORMATION: Description of Artificial Sequence: MYOS 11 peptide coding
sequence,
350     Figure 7
352 <220> FEATURE:
353 <221> NAME/KEY: CDS
354 <222> LOCATION: (1)..(81)
356 <400> SEQUENCE: 13
357 gga tcc gct ggt ccg tgc tgt tat ccg acc aaa atg tct ccg atc aac   48

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/074,152

DATE: 06/26/2002

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Input Set : A:\seqlist.txt

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L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date